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FOR RUSH BPT EXAM PREPARATION

RUSH BPT 2024 Question Paper

EXAM	YEAR	TYPE
RUSH BPT	2024	Question Paper

RUHS

RUHS Entrance Examination 2024
Question Paper

BPT 2024

Q. No. 1 0032001	**If 'g' is the acceleration due to gravity on the earth's surface. Calculate the gain in the potential energy if an object of mass 'm' raised from the surface of the earth to a height equal to the radius 'R' of the earth.**
Option A	*2mgR*
Option B	$\frac{1}{2}$ *mgR*
Option C	$\frac{1}{4}$ *mgR*
Option D	*mgR*
Correct Option	**B**

Q. No. 2 0032002	**What is the dimensional Formula of surface tension?**
Option A	$[MT^{-3}]$
Option B	$[M^{-1} L^{-1} T^{1}]$
Option C	$[MT^{-2}]$
Option D	$[ML^{-1} T^{1}]$
Correct Option	**C**

Q. No. 3 0032003	**A boy can throw a stone up to a maximum height of 10 m. Find out the maximum horizontal distance that the boy can throw the same stone up to.**
Option A	10 m
Option B	$10\sqrt{2}$ m
Option C	20 m
Option D	$20\sqrt{2}$ m
Correct Option	**C**

Q. No. 4 0032004	**A body of mass 'm', accelerates uniformly from rest to 'v_1' in time 's'. The instantaneous power delivered to the body as a function of time 't' is**
Option A	$\frac{mtv_1^2}{s^2}$
Option B	$\frac{2mtv_1^2}{s^2}$
Option C	$\frac{mtv_1^2}{2s^2}$
Option D	$\frac{mtv_1^2}{4s^2}$
Correct Option	**A**

Q. No. 5 0032005	**Find the moment of inertia of a square plate of side "L" and mass 'M' about an axis perpendicular to its plane and passing through one of its corners**
Option A	$\frac{5}{12}ML^2$
Option B	$\frac{3}{4}ML^2$

Option C	$\frac{5}{6}ML^2$
Option D	$\frac{1}{6}ML^2$
Correct Option	**D**

Q. No. 6 0032006	**The escape velocity of a body depends upon the Mass (M) as**
Option A	M^3
Option B	M^2
Option C	M^1
Option D	M^0
Correct Option	**D**

Q. No. 7 0032007	**Planet 'A' has mass M_A and radius R. Planet 'B' has half the mass and half the radius of Planet A. If the escape velocities from the Planets 'A' and 'B' are v_A and v_B, respectively, then calculate the ratio v_A:v_B**
Option A	1:1
Option B	1:2
Option C	2:3
Option D	3:4
Correct Option	**A**

Q. No. 8 0032008	**If 'S' is stress and 'Y' is the Young's modulus of material of a wire. Calculate the energy stored in the wire per unit volume**
Option A	$2S^2\ Y$
Option B	$S^2\ Y$
Option C	$\frac{S^2}{2Y}$
Option D	$\frac{S^2}{4Y}$
Correct Option	**C**

Q. No. 9 0032009	**Water at 30^{o}C (coefficient of viscosity = 0.01 poise) flowing in a tube of diameter 1 cm with an average velocity of 10 cm.s^{-1}. Calculate the Reynold number**
Option A	1000
Option B	2000
Option C	2500
Option D	3000
Correct Option	**A**

Q. No. 10 0032010	**Work done in increasing the size of a soap bubble from a radius of 3 cm to 4 cm is nearly (Surface tension of soap solution = 0.03 Nm^{-1})**
Option A	$0.17\pi\ mJ$
Option B	$0.32\pi\ mJ$
Option C	$0.68\pi\ mJ$
Option D	$0.47\pi\ mJ$
Correct Option	**A**

Q. No. 11 0032011	**Two liquid drops (radius 'r') were merge to form bigger drop. Calculate the surface energy of the bigger drop, where, 'T' is the surface tension:**
Option A	$2\pi r^2 T$
Option B	$2\pi r^3 T$
Option C	$2^{5/3}\pi r^2 T$
Option D	$2^{8/3}\pi r^2 T$
Correct Option	**D**

Q. No. 12 0032012	**In a solid wire of 2 mm diameter a compressional wave travels 10 times faster than transverse wave. Calculate tension in this wire if Young's modulus of the wire is 20×10^{10} N/m^2.**
Option A	4260 N
Option B	5830 N
Option C	6280 N
Option D	1280 N
Correct Option	**C**

Q. No. 13 0032013	**The amount of heat given to a body which raises its temperature by 1^oC is called**
Option A	Temperature Gradient
Option B	Thermal capacity
Option C	Specific heat
Option D	Latent Heat
Correct Option	**C**

Q. No. 14 0032014	If the Poisson's ratio σ for a material is $-\frac{1}{2}$, then what will be the material
Option A	*compressible*
Option B	*incompressible*
Option C	*elastic fatigue*
Option D	none of these
Correct Option	**B**

Q. No. 15 0032015	**What is the dimensional formula of Planck's constant?**
Option A	$ML^1 T^{-2}$
Option B	$ML^2 T^{-2}$
Option C	$ML^3 T^{-1}$
Option D	$ML^2 T^{-1}$
Correct Option	**D**

Q. No. 16 0032016	A body oscillates with SHM according to the equation, $x = 5\cos(2\pi t + \frac{\pi}{4})$. Find out its instantaneous displacement at t=1 sec. [Use S.I units]
Option A	$\frac{\sqrt{2}}{5}$
Option B	$\frac{5}{\sqrt{2}}$

Option C	$\frac{\sqrt{3}}{2}$
Option D	$\frac{1}{\sqrt{2}}$
Correct Option	**B**

Q. No. 17 0032017	**The phenomenon of capillarity is primarily due to:**
Option A	Elasticity
Option B	Viscosity
Option C	Surface Tension
Option D	Cohesion
Correct Option	**C**

Q. No. 18 0032018	A Carnot engine, having an efficiency of $\eta = \frac{1}{10}$ as heat engine, is used as a refrigerator. If the work done on the system is 10 J, calculate the amount of energy absorbed from the reservoir at lower temperature:
Option A	100J
Option B	90J
Option C	99J
Option D	1J
Correct Option	**B**

Q. No. 19 0032019	**An organ pipe closed at one end has fundamental frequency of 1400 Hz. Calculate the number of over tones a normal person can hear. [Given, maximum audible frequency for human Ear is 20kHz]**
Option A	7
Option B	8
Option C	9
Option D	10
Correct Option	**A**

Q. No. 20 0032020	**What is the most abundant element in the universe -**
Option A	Oxygen
Option B	Carbon
Option C	Hydrogen
Option D	Helium
Correct Option	**C**

Q. No. 21 0032021	**According to Wien's law, the wave length corresponding to the maximum energy in thermal black body radiation is proportional to**
Option A	T^{-4}
Option B	T^{-2}
Option C	T^{2}
Option D	T^{-1}
Correct Option	**D**

Q. No. 22 0032022	**The temperature of '*n*' moles of an ideal gas is increased from T to 5T through a process for which pressure p = aT^{-1} where 'a' is a constant. Then, the work done by the gas is**

Option A	*2nRT*
Option B	*4nRT*
Option C	*8nRT*
Option D	*10nRT*
Correct Option	**C**

Q. No. 23 0032023	**A pipe open at both ends has a fundamental frequency '*n*' in air. The pipe is dipped vertically in water so that half of it is in water. What will be the fundamental frequency of the air column?**
Option A	*n*
Option B	*2n*
Option C	$\frac{n}{2}$
Option D	$\frac{3n}{4}$
Correct Option	**A**

Q. No. 24 0032024	**A cylinder with fixed capacity of 67.2 lit contains helium gas at STP. Find out the amount of heat needed to raise the temperature of the gas by 20^{o}C. [Given that R = 8.31 J mol^{-1} K^{-1}]**
Option A	486 J
Option B	821 J
Option C	632 J
Option D	748 J
Correct Option	**D**

Q. No. 25 0032025	**The concept of temperature to measure hotness or coldness of a body is consequence of**
Option A	zeroth law of thermodynamics
Option B	Newton's law of cooling
Option C	first law of thermodynamics
Option D	Joule's law
Correct Option	**A**

Q. No. 26 0032026	**The dimension of 'b' in Van der Waals equation $\left(P+\frac{a}{V^2}\right)(V-b)=RT$ is**
Option A	[M^0 L^2 T^{-1}]
Option B	[M^0 L^3 T^0]
Option C	[M^0 L^2 T^0]
Option D	[M^0 L^3 T^{-1}]
Correct Option	**B**

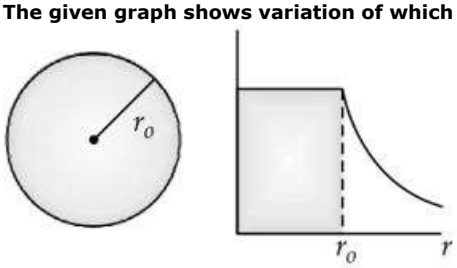
Q. No. 27 0032027	**The moment of inertia of a hollow sphere of radius 'R' and mass 'M' about its diameter is**
Option A	$\frac{1}{2}MR^2$
Option B	MR^2
Option C	$\frac{2}{3}MR^2$

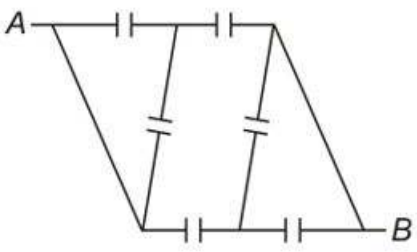
Option D	$\frac{7}{3}MR^2$
Correct Option	**C**

Q. No. 28 0032028	**If a charge "X" is placed at the centre of the line joining two equal charges "Z" such that the system is in equilibrium then find out the value of "X"**
Option A	Z/4
Option B	-Z/4
Option C	Z/2
Option D	-Z/2
Correct Option	**B**

Q. No. 29 0032029	**A charged oil drop is suspended in a uniform field of $9x10^4$ V/m so that it neither falls nor rises. Calculate the charge on the drop. (Given, the mass of the charge $9.9x10^{-15}$ kg and g = 10 m/s^2)**
Option A	$1.1x10^{-18}$ C
Option B	$5.0x10^{-18}$ C
Option C	$3.3x10^{-18}$ C
Option D	$4.8x10^{-18}$ C
Correct Option	**A**

Q. No. 30 0032030	**Which of the following statements about static electricity is true?**
Option A	It is caused by the flow of electrons
Option B	It is always attractive in nature
Option C	It is not affected by the presence of objects
Option D	It is generated by stationary charges
Correct Option	**D**

Q. No. 31 0032031	**The given graph shows variation of which quantity (with distance r from centre):** 
Option A	Electric field of a uniformly charged sphere
Option B	Potential of a uniformly charged spherical shell
Option C	Potential of a uniformly charged sphere
Option D	Electric field of a uniformly charged spherical shell
Correct Option	**B**

Q. No. 32 0032032	**A network of six identical capacitors, each of value C is made as shown in the figure. Find out the equivalent capacitance between points A and B** 
Option A	3C/4

Option B	2C
Option C	4C/3
Option D	6C/7
Correct Option	**C**

Q. No. 33 0032033	**The voltage across an inductor in an RL circuit leads the current by:**
Option A	0 degrees
Option B	45 degrees
Option C	90 degrees
Option D	180 degrees
Correct Option	**C**

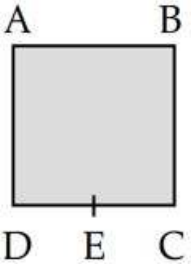
Q. No. 34 0032034	**If 'n' small drops of the same size are charged to 'S' volt each. If they coalesce to form a single large drop, then its potential will be**
Option A	$Sn^{2/3}$
Option B	Sn
Option C	$Sn^{1/3}$
Option D	S/n
Correct Option	**A**

Q. No. 35 0032035	**Two metal wires of identical dimensions are connected in series. If σ_1 and σ_2 are the conductivities of the metals respectively, the effective conductivity of the combination is**
Option A	$\frac{2\sigma_1\sigma_2}{\sigma_1+\sigma_2}$
Option B	$\frac{\sigma_1+\sigma_2}{2}$
Option C	$\sigma_1+\sigma_2$
Option D	$\sqrt{\frac{\sigma_1\sigma_2}{2}}$
Correct Option	**A**

Q. No. 36 0032036	**The effective capacitance of parallel combination of two capacitors C1 and C2 is 10 μ F. When these capacitors are individually connected to a voltage source of 1 V, the energy stored in the capacitor 'C2' is 4 times that of 'C1'. If these capacitors are connected in series, their effective capacitance will be**
Option A	3.2 μF
Option B	4.8 μF
Option C	1.2 μF
Option D	1.6 μF
Correct Option	**D**

Q. No. 37 0032037	**If there are n capacitors of capacitance 'C' in parallel connected to 'V' volt source, then find the energy stored.**
Option A	$\frac{1}{2}nCV^2$
Option B	CV^2
Option C	$\frac{CV^2}{2n}$

Option D	$\frac{1}{2}CV^2$
Correct Option	**A**

Q. No. 38 0032038	**If a wire of resistance 'X' is bent to form a square ABCD as shown in the figure. The effective resistance between E and C is : (E is mid-point of arm CD)** 
Option A	$\frac{1}{16}X$
Option B	$\frac{7}{64}X$
Option C	$\frac{5}{64}X$
Option D	$\frac{3}{4}X$
Correct Option	**B**

Q. No. 39 0032039	**A 220 Volt, 600 Watt bulb is connected across a 110 Volt mains supply. Calculate the power consumed by the bulb.**
Option A	100 W
Option B	150 W
Option C	200 W
Option D	300 W
Correct Option	**B**

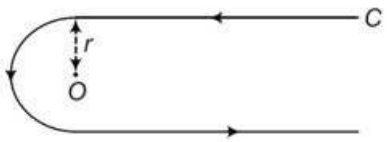
Q. No. 40 0032040	**Which of the following best describes the behaviour of light when it passes through a prism and gets dispersed into its constituent colours?**
Option A	Reflection
Option B	Refraction
Option C	Diffraction
Option D	Interference
Correct Option	**B**

Q. No. 41 0032041	**If a heater coil is cut into two equal parts and only one part of the coil is now used in the heater. The heat generated will now be how many times?**
Option A	1/4
Option B	1/2
Option C	2
Option D	4
Correct Option	**C**

Q. No. 42 0032042	**What will happen if a current is passed through spring?**
Option A	It will expand
Option B	It will compress
Option C	First expand then compress

Option D	No change
Correct Option	**B**

Q. No. 43 0032043	**An alternating voltage, v(t) = 220 sin (100πt) Volt is applied to a purely resistive load of 50 W. Calculate the time taken for the current to rise from half of the peak value to the peak value.**
Option A	6.3 ms
Option B	3.3 ms
Option C	2 ms
Option D	7.2 ms
Correct Option	**B**

Q. No. 44 0032044	**The magnetic field induction at O, due to current I in a semicircular arc and straight conductors (figure) is** 
Option A	$\frac{\mu_0}{4\pi}\frac{I}{r}(\pi+2)$
Option B	$\frac{\mu_0}{4\pi}\frac{I}{r}$
Option C	$\frac{\mu_0}{4\pi}\frac{I}{r}(2\pi)$
Option D	$\frac{\mu_0}{4\pi}\frac{I}{r}(\pi+4)$
Correct Option	**A**

Q. No. 45 0032045	**The symbols, L, C and R represent inductance, capacitance and resistance respectively. Which one is not the dimension of frequency?**
Option A	C/L
Option B	$\frac{1}{\sqrt{LC}}$
Option C	R/L
Option D	1/(RC)
Correct Option	**A**

Q. No. 46 0032046	**In Young's double slit experiment, if the slit widths are in the ratio of 1 : 3, the ratio of the intensities at the minima and the maxima will be**
Option A	1:3
Option B	1:4
Option C	1:6
Option D	1:8
Correct Option	**B**

Q. No. 47 0032047	**Which part of a transistor is most heavily doped to produce large number of majority of carriers?**
Option A	Emitter
Option B	Base
Option C	Collector
Option D	Any one of the above
Correct Option	**A**

Q. No. 48 0032048	**In case of an electromagnetic wave, the radiation pressure has the dimensions of**
Option A	intensity
Option B	energy density
Option C	energy flux
Option D	energy per unit area
Correct Option	**B**

Q. No. 49 0032049	**The flux linked with a coil at any instant 't' is given by φ =10t^2-50t+250. Then calculate the induced emf at t = 4s is**
Option A	-120V
Option B	100V
Option C	-10V
Option D	-30V
Correct Option	**D**

Q. No. 50 0032050	**If the kinetic energy of a free electron doubles, it's deBroglie wavelength changes by the factor**
Option A	1/2
Option B	2
Option C	$1/\sqrt{2}$
Option D	$\sqrt{2}$
Correct Option	**C**

Q. No. 51 0062051	**Number of moles present 1 L of water is**
Option A	55.56
Option B	2.05
Option C	18.25
Option D	1000
Correct Option	**A**

Q. No. 52 0062052	**Energy of electron is related to the nth shell as**
Option A	$1/n^2$
Option B	n^2
Option C	1/n
Option D	n
Correct Option	**A**

Q. No. 53 0062053	**Number of electrons present in the d orbital is**
Option A	10
Option B	2
Option C	6
Option D	8
Correct Option	**B**

Q. No. 54 0062054	**Which of the following is most basic**
Option A	LiOH
Option B	KOH
Option C	NaOH

Option D	RbOH
Correct Option	**D**

Q. No. 55 0062055	**Which of the following is correct trend of second ionization energy**
Option A	C < N < O < F
Option B	C > N > O > F
Option C	C < N < F < O
Option D	F < N < O > C
Correct Option	**C**

Q. No. 56 0062056	If ΔH is positive and ΔS is positive then the reaction is feasible if
Option A	$T\Delta S > \Delta H$
Option B	$T\Delta S < \Delta H$
Option C	$T\Delta S = \Delta H$
Option D	T =0
Correct Option	**A**

Q. No. 57 0062057	**What is work done when gas expands from one Litre to 10 Litre at 300 K in vacuum**
Option A	5744.1 J
Option B	0 J
Option C	3000 J
Option D	315 J
Correct Option	**B**

Q. No. 58 0062058	**Enthalpy change in a cyclic process is**
Option A	Positive
Option B	Negative
Option C	Zero
Option D	Infinity
Correct Option	**C**

Q. No. 59 0062059	**Which of the following is correct option for EMF and potential difference**
Option A	EMF> Potential difference
Option B	EMF< Potential difference
Option C	EMF= Potential difference
Option D	EMF $\leq$ Potential difference
Correct Option	**A**

Q. No. 60 0062060	**What is basicity of boric acid**
Option A	3
Option B	2
Option C	1
Option D	0
Correct Option	**C**

Q. No. 61 0062061	**Units of 'b' in real gas equation is**
Option A	dm^3mol^{-1}

Option B	dm^3mol
Option C	dm^3
Option D	dm^2mol
Correct Option	**A**

Q. No. 62 0062062	**In the presence of a catalyst, the equilibrium constant of a reaction**
Option A	increases
Option B	decreases
Option C	No change
Option D	Increases or decreases
Correct Option	**C**

Q. No. 63 0062063	**If change in number of gaseous moles in a reaction is positive then**
Option A	Kp=Kc
Option B	Kp < Kc
Option C	Kp > Kc
Option D	Kp=0
Correct Option	**C**

Q. No. 64 0062064	**Which of the following can show +4 oxidation state**
Option A	La
Option B	Sm
Option C	Gd
Option D	Ce
Correct Option	**D**

Q. No. 65 0062065	**Two moles of ozone gives three moles of oxygen is an exothermic process. This reaction will be favoured by**
Option A	Low temperature and low pressure
Option B	High temperature and low pressure
Option C	Low temperature and High pressure
Option D	High temperature and high pressure
Correct Option	**A**

Q. No. 66 0062066	**How many molecular orbitals are formed when two p orbitals combine**
Option A	2
Option B	3
Option C	4
Option D	6
Correct Option	**A**

Q. No. 67 0062067	**Which transition element in the first transition series has maximum oxidation state**
Option A	Fe
Option B	Cr
Option C	Cu
Option D	Mn
Correct Option	**D**

Q. No. 68	**ZnO shows yellow color on heating because of**

0062068	
Option A	Metal excess defects
Option B	Metal deficiency defects
Option C	Stacking fault
Option D	Screw dislocations
Correct Option	**A**

Q. No. 69 0062069	**How many unpaired electrons are present in iron (III) in low spin complexes**
Option A	5
Option B	4
Option C	6
Option D	1
Correct Option	**D**

Q. No. 70 0062070	**Which of the following has more basic character**
Option A	$Ce(OH)_3$
Option B	$La(OH)_3$
Option C	$Lu(OH)_3$
Option D	$Eu(OH)_3$
Correct Option	**B**

Q. No. 71 0062071	**Similarity in properties of second and third transition series is due to mainly**
Option A	Same oxidation state
Option B	Lanthanide contraction
Option C	Same size
Option D	Same complexing properties
Correct Option	**B**

Q. No. 72 0062072	**Number of lone pairs in $XeOF_4$**
Option A	4
Option B	3
Option C	2
Option D	1
Correct Option	**D**

Q. No. 73 0062073	**As per Ostwald dilution law , the relationship between equilibrium constant and degree of dissociation is**
Option A	$K=C\alpha$
Option B	$K=C\alpha^2$
Option C	$K=C/\alpha$
Option D	$K=C/\alpha^2$
Correct Option	**B**

Q. No. 74 0062074	**The precipitation will take place in case**
Option A	Ksp> Ionic product
Option B	Ksp< Ionic product
Option C	Ksp= Ionic product
Option D	Ksp =2x Ionic product
Correct Option	**B**

Q. No. 75 0062075	**If hydroxyl ion concentration is 10^{-11} then the pH of the solution is**
Option A	11
Option B	7
Option C	3
Option D	0
Correct Option	**C**

Q. No. 76 0062076	**pH of 10^{-7} M HCl is**
Option A	7.0
Option B	3.0
Option C	6.7
Option D	5.0
Correct Option	**C**

Q. No. 77 0062077	**Heat capacity for all monoatomic solids should be**
Option A	3R
Option B	5R
Option C	2R
Option D	5R
Correct Option	**A**

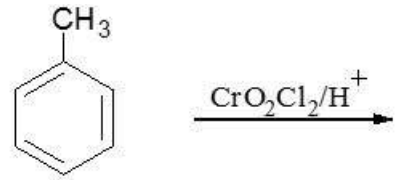
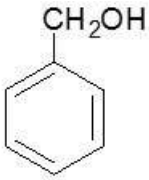
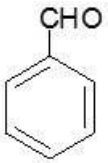
Q. No. 78 0062078	**For A liquid boils at 80^{o}C, standard enthalpy of vaporization is 35.3 KJ/mol. What will be ΔS for vaporization**
Option A	0.1 J/K/mol
Option B	4.4 KJ/K/mol
Option C	0.44 J/k/mol
Option D	100 J/K/mol
Correct Option	**D**

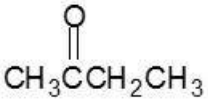
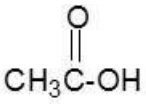
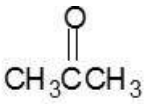
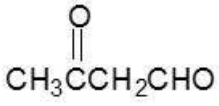
Q. No. 79 0062079	**Radial probability curve for 4S orbital has**
Option A	Zero node
Option B	Two node
Option C	Three nodes
Option D	Four nodes
Correct Option	**C**

Q. No. 80 0062080	**Higher pH is shown by one normal solution of**
Option A	Sodium carbonate
Option B	Potassium carbonate
Option C	Sodium bicarbonate
Option D	Sodium hydroxide
Correct Option	**D**

Q. No. 81 0062081	**Hydronium ion is an example of**
Option A	Radical
Option B	Base
Option C	Acid
Option D	Radical cation

Correct Option	**C**

Q. No. 82 0062082	
Option A	
Option B	
Option C	
Option D	
Correct Option	**A**

Q. No. 83 0062083	**Reaction of CH_3CN with CH_3CH_2Li in the acidic medium yields**
Option A	
Option B	
Option C	
Option D	
Correct Option	**A**

Q. No. 84 0062084	**Which is the correct product of reaction of propene with HBr** **CH_3-CH=CH_2 + HBr $\rightarrow$?**
Option A	CH_3-CH_2-CH_3
Option B	CH_3-CH_2-CH_2-Br

Option C	CH_3-CH(Br)-CH_3
Option D	CH_2=CH-CH_2-Br
Correct Option	**C**

Q. No. 85 0062085	**Reaction of ketones with alkyl triphenyl phosphorane to yield alkenes is called**
Option A	Reformatsky reaction
Option B	Wohlard reaction
Option C	Wittig reaction
Option D	Wurtz reaction
Correct Option	**C**

Q. No. 86 0062086	**Starch is an example of**
Option A	Monosaccharide
Option B	Trisaccharide
Option C	Disaccharide
Option D	Polysaccharide
Correct Option	**D**

Q. No. 87 0062087	**Which of the following is intermediate during the formation of aryl halide from aniline?**
Option A	Nitrobenzene
Option B	Toluene
Option C	Benzene diazonium halide
Option D	Nitrosobenzene
Correct Option	**C**

Q. No. 88 0062088	**Which of the following alcohols give turbid solution after five minutes when $ZnCl_2$ + HCl is added.**
Option A	Primary alcohol
Option B	Tertiary alcohol
Option C	Secondary alcohol
Option D	Quaternary alcohol
Correct Option	**C**

Q. No. 89 0062089	**The formation of cyanohydrin from a ketone is an example of**
Option A	Electrophilic addition
Option B	Nucleophilic addition
Option C	Electrophilic substitution
Option D	Nucleophilic substitution
Correct Option	**B**

Q. No. 90 0062090	**The reagent used to convert carboxylic acid into alcohol is**
Option A	Sodium borohyride
Option B	Na/alcohol
Option C	Zinc amalgam-HCl
Option D	Lithium aluminium hydride
Correct Option	**D**

Q. No. 91 0062091	**Calculate solubility product of $MgCl_2$ if solubility is S**

Option A	$2s^3$
Option B	$3s^3$
Option C	$4s^3$
Option D	$5s^3$
Correct Option	**C**

Q. No. 92 0062092	**Friedal Craft reaction cannot be given easily by**
Option A	Nitrobenzene
Option B	Toluene
Option C	Cumene
Option D	Xylene
Correct Option	**A**

Q. No. 93 0062093	**In the presence of $AlCl_3$ the reaction of benzene with methyl chloride**
Option A	Chlorobenzene
Option B	Benzyl chloride
Option C	Xylene
Option D	Toluene
Correct Option	**D**

Q. No. 94 0062094	**Canninzaro rection is given by aldehydes**
Option A	Having alpha H atom
Option B	Having aromatic structure
Option C	Not having alpha hydrogen atoms
Option D	Having cyclic structure
Correct Option	**C**

Q. No. 95 0062095	**Which of the following amines give Carbyl amine reaction ?**
Option A	Primary
Option B	Secondary
Option C	Tertiary
Option D	Both secondary and tertiary
Correct Option	**A**

Q. No. 96 0062096	**Which of the following structure is destroyed on denaturation**
Option A	Primary
Option B	Secondary
Option C	Tertiary
Option D	Both secondary and tertiary
Correct Option	**D**

Q. No. 97 0062097	**With increase in the temperature the electrical conductivity of metals**
Option A	Increases
Option B	Decreases
Option C	Remains same
Option D	Increases or decreases
Correct Option	**B**

Q. No. 98 0062098	**Chemicals used to relieve pain are called**
Option A	Antibiotics
Option B	Antihistamines
Option C	Antiseptice
Option D	Analgesics
Correct Option	**D**

Q. No. 99 0062099	**In DNA nitrogen atom of the base forms bond with which carbon of the sugar molecule**
Option A	C1
Option B	C2
Option C	C3
Option D	C5
Correct Option	**A**

Q. No. 100 0062100	**Which of the following is ambidentate ligand**
Option A	Cl
Option B	CN
Option C	CO
Option D	C_2O_4
Correct Option	**B**